We once again look forward to bringing together researchers from around the world to explore and discuss the biology and psychology of affective touch and its role in brain development and social behavior. Our aim at IASAT is to provide a platform for fruitful scientific exchanges in this field, and foster interdisciplinary dialogue between scientists and professionals in education, health and social care. This 3rd congress will create opportunities for casual discussions, and a dinner will be held on Thursday in Vadstena, birthplace of the person who discovered CTs: Yngve Zotterman.

Find Out More at [iasat.org](http://iasat.org)

IASAT2019 Local Organising Committee
Francis McGlone
Susannah Walker
Adarsh Makdani

IASAT Officers
Presidents: Håkan Olausson, Linköping University
Francis McGlone, LJMU
Secretary: India Morrison, Linköping University
Treasurer: Katerina Fotopoulou, UCL
Conference: Andrew Wold, Lina Homman,
A message from our main sponsors:

L’Oréal Research and Innovation involves 3,600 researchers in some thirty disciplines, from fundamental research to product development. L’Oréal Research and Innovation teams apply the principles of sustainable and responsible innovation on a daily basis. Listening to the expectations of consumers, they are committed to the pursuit of ethical beauty that respects diversity. In its research activities, the group is particularly vigilant in five areas: human health (employees, consumers, professionals), environmental protection, ethics, fair trade and consideration of the social and societal impact of innovation. We proudly sponsor IASAT’s mission to better understand affective touch and its impact on the wellbeing and the quality of life.

IJHH was founded in 2013, in cooperation with the scientific office of the Dutch Society for Haptotherapy. It is a scientific independent peer-reviewed multidisciplinary open-access e-journal. As an open digital journal, we welcome original scientific empirical manuscripts, interventions, reviews, case studies, manuscripts about pilot studies, and questionnaire studies. Furthermore, we publish reflective practice papers, and manuscripts on theories and practices in the wide range of haptonomy and haptotherapy. The journal publishes yearly 3-4 articles, and also specials issues. IJHH uses the APA procedure. Publishing an article in IJHH has always been and is still currently free of charge.
Keynote Speakers

Victoria Abaira
Victoria is an assistant professor at Rutgers University. Her research employs the use of mouse genetic tools to dissect touch circuits from the skin to the brain, with the long-term objective of uncovering an integrative model of touch perception in health and disease.

Emmanuel Bourinet
Emmanuel is a team leader at Institut de Génomique Fonctionnelle. He has contributed to the identification of CaV3.2 T-type calcium channels in various pain syndromes, specific T-type Ca channel pharmacology and the engineering of methods to monitor calcium channel trafficking.

David Mahns
David is a Senior Lecturer in Integrative Physiology at the School of Medicine, University of Western Sydney. He specializes in quantifying the contribution of sensory nerves arising from skin and deep structures such as muscle and bone to perception. His recent work has focused on defining how we distinguish between non-painful and painful stimuli.

Alexander Chesler
Alexander joined the NIH intramural pain program in 2013 where his laboratory now employs multidisciplinary approaches to study how sensory stimuli (such temperature, touch, and environmental irritants) are detected and encoded by the somatosensory system.

Annett Schirmer
Annett is a psychology professor at Leipzig University and at the Chinese University of Hong Kong. Her research falls within social and affective neuroscience. She uses EEG & fMRI to investigate the basis of nonverbal perception with an emphasis on vocal expression and interpersonal touch.

Katalin Gothard
Katalin is a professor at the University of Arizona College of Medicine. She observes rhesus monkeys to see real-time dynamic interactions in multiple systems implicated in emotion regulation and the mechanisms by which emotional responses produce immediate behavioral effects.

Catherine Bushnell
Catherine is a scientific director and senior investigator at the National Institute of Health. Her research interests include forebrain mechanisms of pain processing, psychological modulation of pain, and neural alternations in chronic pain patients.

Karon MacLean
Karon is a professor at the University of British Columbia & director of the sensory perception and interaction research group (SPIN). Her research is in robots that people physically interact with and affective communication through haptics.
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Speaker Affiliation</th>
</tr>
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<tbody>
<tr>
<td>8.30</td>
<td>Coffee, Registration &amp; Poster Set-Up</td>
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</tr>
<tr>
<td>9.00</td>
<td>Welcome</td>
<td>A brief history of the IASAT as it opens its 3rd International Congress here in Linköping.</td>
</tr>
</tbody>
</table>
| 9.10  | Keynote: Wired for Touch: the neurons and circuits of the somatosensory system | Victoria Abraira  
Rutgers University, New Jersey                                                                                                                         |
| 9.55  | Session 1: The C Story (Chair: Francis McGlone)                          | Francis McGlone  
Liverpool John Moores University                                                                                                                                 |
| 10.00 |                                                                 | Gudrun Gossrau  
TU Dresden                                                                                                                                 |
| 10.05 |                                                                 | Adarsh Makdani  
Liverpool John Moores University                                                                                                                                 |
| 10.10 |                                                                 | Grazia Spitoni*  
Sapienza University of Rome                                                                                                                                 |
| 11.25 | Keynote: Chasing the function of affective touch neuronal circuits in mice | Emanuelli Bourinet  
Institut de Génomique Fonctionnelle                                                                                                                                 |
| 12.00 |                                                                 |                                                                                                                                                    |
| 13.00 | Session 2: The Spinal Cord & PNS (Chair: Saad Nagi)                      | David Mahns  
Western Sydney University                                                                                                                                 |
| 13.35 | The physical characteristics of social touch                            | Sarah McIntyre  
Linköping University                                                                                                                                 |
| 13.40 |                                                                 | Saad Nagi  
Linköping University                                                                                                                                 |
| 13.45 |                                                                 | Andy Marshall  
University of Liverpool                                                                                                                                 |
| 14.00 |                                                                 | Max Larsson  
Linköping University                                                                                                                                 |
| 15.05 | Break                                                                   |                                                                                                                                                    |
| 15.25 | Keynote: Touch and Pain in health and disease                            | Alexander Chesler  
NCCIH, NIH                                                                                                                                 |
| 16.00 | Poster Session 1                                                         |                                                                                                                                                    |
## Agenda

### Day 2 - Thursday 12th September

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>8.30</td>
<td>Coffee</td>
</tr>
</tbody>
</table>
| 9.00  | Annett Schirmer  
The Chinese University of Hong Kong  
Keynote: Felt or seen - Affective touch modulates the social brain |
| 9.00  | India Morrison  
Linköping University  
Towards a neuroscience of social touch |
| 9.00  | Rebecca Böhme  
Linköping University  
Touch & bodily self in Autism & ADHD |
| 9.00  | Juulia Suvilehto  
Linköping University  
Putting the 'social' in social touch |
| 9.00  | Ilona Croy  
TU Dresden  
Touch aversion and PTSD |
| 11.25 | Katalin Gothard  
University of Arizona  
Keynote: Sensing to feeling along a cortico-amygdala pathway for social touch |
| 12.00 | Lunch |

### Data Blitz (Chair: Chris Dijkstra)

<table>
<thead>
<tr>
<th>Time</th>
<th>speaker</th>
<th>Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>13.00</td>
<td>Larissa Meijer</td>
<td>Affective touch reduces mechanically induced itch experience.</td>
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<tr>
<td>13.00</td>
<td>Pankaj Taneja</td>
<td>Modulation of experimental facial pain via different somatosensory stimuli.</td>
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<tr>
<td>13.00</td>
<td>Lina Koppel</td>
<td>Pain, touch, and risk taking: The role of affective evaluation and affect regulation.</td>
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<tr>
<td>13.00</td>
<td>Anbjørn Ree</td>
<td>Timing is everything: Using facial EMG to capture the specifics of tactile input.</td>
</tr>
<tr>
<td>13.00</td>
<td>Paula Trotter</td>
<td>Does social touch deprivation in early development influence CT-sensitivity in adulthood? foster care-leavers vs non-care leavers.</td>
</tr>
<tr>
<td>13.00</td>
<td>Agnes van Swaay</td>
<td>In touch again: haptotherapy for people with cancer</td>
</tr>
<tr>
<td>13.00</td>
<td>Ans Tummers</td>
<td>Adding life to years instead of years to life: well being and enhance quality of life by introducing affective touch in dementia patients</td>
</tr>
<tr>
<td>13.00</td>
<td>Laura Crucianelli</td>
<td>Perception of affective touch in women with/recovered from Anorexia Nervosa</td>
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<tr>
<td>13.00</td>
<td>Giovanni Novembre</td>
<td>Endogenous oxytocin release during affective touch</td>
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<tr>
<td>13.00</td>
<td>Alicja Brzozowska</td>
<td>Caregiver touch and infant exploratory behaviour</td>
</tr>
<tr>
<td>13.00</td>
<td>Adriaan Visser</td>
<td>Use and evaluation of haptotherapy for cancer patients</td>
</tr>
<tr>
<td>13.00</td>
<td>Caroline Yan Zheng</td>
<td>Care through simulated affective touch, negotiating a novel sensory design space using wearable soft robotics</td>
</tr>
<tr>
<td>13.00</td>
<td>Sumaiya Shaikh</td>
<td>Affective touch modulates acute pain perception</td>
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<tr>
<td>13.00</td>
<td>Haemy Lee Masson</td>
<td>Architecture For Positive Versus Negative Affective Touch Processing in A SN.</td>
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<tr>
<td>13.00</td>
<td>Anton Varlamov</td>
<td>Towards understanding the psychophysics of knismesis: the effect of stroke force on perceived tickle and pleasure.</td>
</tr>
<tr>
<td>13.00</td>
<td>Anouk Keizer</td>
<td>Exploring the evaluation of CT (non)optimal touch in borderline and trauma patients</td>
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<tr>
<td>13.50</td>
<td></td>
<td>Break</td>
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</tbody>
</table>

### Poster Session 2

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>15.00</td>
<td>Poster Session 2</td>
</tr>
<tr>
<td>17.00</td>
<td>Bus to Vadstena Castle</td>
</tr>
<tr>
<td>19.00</td>
<td>Gala Dinner</td>
</tr>
<tr>
<td>21.30</td>
<td>Bus To Linköping</td>
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</tbody>
</table>
## Agenda

### Day 1 - Wednesday 11th September

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.30</td>
<td>Coffee, Registration &amp; Poster Set-Up</td>
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</tr>
<tr>
<td>9.00</td>
<td><strong>Keynote:</strong> Brain processing of superficial and deep touch.</td>
<td>Catherine Bushnell</td>
</tr>
<tr>
<td>9.00</td>
<td>Session 4: Methods &amp; Applications (Chair: Greg Gerling)</td>
<td><a href="#">Greg Gerling</a> &lt;br&gt;University of Virginia &lt;br&gt;Individual stability of pleasantness ratings for stroking touch</td>
</tr>
<tr>
<td>9.35</td>
<td>Uta Sailer &lt;br&gt;University of Oslo</td>
<td>Quantitative Methods for Uncovering Human-to-Human Physical Interactions that Underlie Social and Emotional Touch</td>
</tr>
<tr>
<td>9.35</td>
<td>Greg Gerling &lt;br&gt;University of Virginia</td>
<td>Better understanding tactile ability and skin neurological disorders with aging to improve life quality of elderly</td>
</tr>
<tr>
<td>9.35</td>
<td>Robin Heron &lt;br&gt;Orange Labs</td>
<td>Analyzing meaning making of social touch in computer-mediated interaction</td>
</tr>
<tr>
<td>9.35</td>
<td>Ingvars Birznieks &lt;br&gt;UNSW Sydney</td>
<td>Making recipes for touch sensation using the key ingredient of the timing of individual spikes in tactile afferents</td>
</tr>
<tr>
<td>9.35</td>
<td>Martina Fusaro &lt;br&gt;Sapienza University of Rome</td>
<td>Feeling touch in absence of tactile stimulation: subjective &amp; bodily reactivity to observation of touches on taboo body zones</td>
</tr>
<tr>
<td>11.25</td>
<td><strong>Keynote:</strong> What part of our internal experience is readable by a touch-sensitive machine?</td>
<td>Karon MacLean &lt;br&gt;University of British Columbia</td>
</tr>
<tr>
<td>12.00</td>
<td>Award Ceremony + Closing Remarks</td>
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Please note: times & speakers subject to variation.
<table>
<thead>
<tr>
<th>Day: Wednesday September 11th</th>
<th>Thursday September 12th</th>
<th>Friday September 13th</th>
</tr>
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<tbody>
<tr>
<td>8:30 - 9:00 Coffee and Welcome registration</td>
<td>9:00-9:35 Keynote Speaker: Annett Schirmer</td>
<td>9:00-9:35 Keynote Speaker: Catherine Bushnell</td>
</tr>
<tr>
<td>9:00-9:35 Coffee and Break</td>
<td>9:35-11:15 Session 3: Cognitive, Affective, &amp; Social Perspectives</td>
<td>9:35-11:15 Session 4: Methods &amp; Applications</td>
</tr>
<tr>
<td>9:35-11:15 Session 1: The C Story: Pain, Pleasure, Itch</td>
<td>11:15-12:00 Lunch</td>
<td>11:25-12:00 Closing Remarks (Take Away Lunch)</td>
</tr>
<tr>
<td>11:25-12:00 Data Blitz: Hosted by Chris Dijkermann</td>
<td>11:25-12:00 Keynote Speaker: Katalin Gothard</td>
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<tr>
<td>11:25-12:00 Keynote Speaker: Emmanuel Bourinet</td>
<td>12:00-13:00 Poster Session</td>
<td>12:00-13:00 Keynote Speaker: Alexander Chesler</td>
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<td>12:00-13:00 Lunch</td>
<td>12:00-13:00 Keynote Speaker: David Mahns</td>
<td>12:00-13:00 Keynote Speaker: Karon MacLean</td>
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<td>13:00-13:35 Keynote Speaker: Victoria Abraira</td>
<td>12:00-13:00 Poster Session</td>
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<tr>
<td>13:35-15:05 Session 2: Spinal cord &amp; PNS</td>
<td>15:05-16:00 Coffee &amp; Break</td>
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<td>15:05-16:00 Coffee &amp; Break</td>
<td>16:00-17:00 Poster Session</td>
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**Vadstena Castle Dinner**

Includes:
- 3 Course Dinner
- 2 Alcoholic Beverages
- & Coffee

Additional beverages may be purchased via credit card.

**Includes:**

- 3 Course Dinner
- 2 Alcoholic Beverages & Coffee

International Association for the Study of Affective Touch

Day:

- 8:30 - 11:00
- 11:00 - 12:00
- 12:00 - 17:00

Thursday:

- 15:00 - 17:00
- 17:00 - 21:30

Friday:

- 8:30 - 11:00
- 11:00 - 17:00
- 17:00 - 21:30

Saturday:

- 8:30 - 11:00
- 11:00 - 17:00
- 17:00 - 21:30
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<tr>
<th>Poster List</th>
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<tr>
<td><strong>Ria Beßler</strong></td>
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<td><strong>Fabien Boucaud</strong></td>
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<td><strong>Ilona Croy</strong></td>
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<td><strong>Laura Crucianelli</strong></td>
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<td><strong>Shaunna Devinne</strong></td>
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<td><strong>Elin Eriksson Hagberg</strong></td>
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<td><strong>Susan Frazer</strong></td>
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<td><strong>Anouk Keizer</strong></td>
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<td><strong>Lina Koppel</strong></td>
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<td><strong>Maria Rosa Bufo</strong></td>
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<td><strong>Sofia Sacchetti</strong></td>
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<td><strong>Grace Whitaker</strong></td>
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